

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (canceled)
2. (currently amended) A method of providing information from a network including a network device to a client device outside of the network via a server associated with the network, said method comprising the steps of:
 - (a) receiving a request from the client device at the server for a first electronic content from said network;
 - (b) retrieving, by the server, said first electronic content from said network;
 - (c) identifying, by the server, a link within said first electronic content;
 - (d) determining, by the server, whether said link identified in said step (c) is resolvable by an external Internet domain name system or alternatively by a domain name system internal to said network;
 - (e) wrapping, by the server, said link to obtain a wrapped version of said link that identifies a resolvable address on the network in the event it is determined in said step (d) that said link is resolvable by the domain name system internal to said network, and not wrapping said link in the event it is determined in said step (d) that said link is resolvable by the external Internet domain name system, wherein said wrapped version provides remote access to respective content within the network that is otherwise unattainable by the client device outside the network;
 - (f) delivering a modified version of said first electronic content to the client device, wherein said modified version of said first electronic content includes said wrapped version of said link; and
 - (g) delivering an original version of said first electronic content to said client device if said link is not wrapped in said step (e), wherein said original version of is said first electronic content that is unmodified.
3. (previously presented) The method of claim 2, wherein said first electronic content is an electronic document and said modified version of said first electronic content is a modified version of said electronic document.

4. (previously presented) The method of claim 2, wherein said link is a URL and said modified version of said link is a modified version of said URL.
5. (previously presented) The method of claim 2, wherein said link includes:
an external address portion identifying said network device; and
an internal address portion identifying a second electronic content within said network.
6. (previously presented) The method of claim 5, wherein said external address portion can be resolved outside said network, and wherein said internal address portion cannot be resolved outside said network and can be resolved in said network.
- 7-9. (canceled)
10. (previously presented) The method of claim 2, wherein said step (e) includes the step of:
(1) inserting a reference to said network device in said modified link.
11. (previously presented) The method of claim 10, wherein said link does not include a reference to said network device.
12. (previously presented) The method of claim 2, wherein said modified link includes a reference to said network device.
13. (previously presented) The method of claim 12, wherein said link does not include a reference to said network device.
14. (previously presented) The method of claim 2, wherein said link includes an address for a second electronic content in said network and said modified version of said link includes an address for said second electronic content in said network.
15. (previously presented) The method of claim 2, further including the steps of:
(h) identifying additional links within said first electronic content; and
(i) wrapping said additional links to obtain wrapped versions of said additional links.

16. (previously presented) The method of claim 15, further including the step of:
- (j) determining said additional links cannot be resolved outside of said network.
17. (previously presented) The method of claim 15, wherein said modified version of said first electronic content contains said wrapped versions of said additional links.
- 18-19. (canceled)
20. (previously presented) The method of claim 2, wherein said request includes an address for said first electronic content, wherein said method further includes the steps of:
- (h) verifying said address is fully qualified.
21. (previously presented) The method of claim 2, further including the step of:
- (h) inserting a second link into said modified version of said first electronic content, wherein said second link addresses a fourth electronic content not addressed by any link in said first electronic content.
22. (currently amended) One or more processor readable storage devices having processor readable code embodied on said processor readable storage devices, said processor readable code for programming one or more processors to perform a method of providing information from a network including a network device to a client device outside of the network via a reverse proxy server associated with the network, said method comprising the steps of:
- (a) receiving a request from the client device at the reverse proxy server for a first electronic content from said network;
 - (b) retrieving, by the reverse proxy server, said first electronic content from said network;
 - (c) identifying, by the reverse proxy server, a link within said first electronic content;
 - (d) determining, by the reverse proxy server, whether said link identified in said step (c) is resolvable by an external Internet domain name system or alternatively by a domain name system internal to said network;
 - (e) wrapping, by the reverse proxy server, said link to obtain a wrapped version of said link that identifies a resolvable address on the network in the event it is determined in said step (d) that said link is resolvable by the domain name system internal to said network, and not

wrapping said link in the event it is determined in said step (d) that said link is resolvable by the external Internet domain name system, wherein said wrapped version provides remote access to respective content within the network that is otherwise unattainable by the client device outside the network;

(f) delivering a modified version of said first electronic content to the client device wherein said modified version of said first electronic content includes said wrapped version of said link; and

(g) delivering an original version of said first electronic content to said client device if said link is not wrapped in said step (e), wherein said original version of is said first electronic content that is unmodified.

23. (previously presented) One or more processor readable storage devices according to claim 22, wherein said first electronic content is an electronic document and said modified version of said first electronic content is a modified version of said electronic document.

24. (previously presented) One or more processor readable storage devices according to claim 22, wherein said link includes:

an external address portion identifying said network device; and

an internal address portion identifying a second electronic content within said network.

25. (previously presented) One or more processor readable storage devices according to claim 24, wherein said external address portion can be resolved outside said network, and wherein said internal address portion cannot be resolved outside said network and can be resolved in said network.

26. (canceled)

27. (previously presented) One or more processor readable storage devices according to claim 22, wherein said step (d) includes the step of:

(1) determining said link cannot be resolved outside of said network, wherein said step (e) is only performed if said step (d) determines to wrap said link.

28. (previously presented) One or more processor readable storage devices according to claim 22, wherein said step (e) includes the step of:

- (1) inserting a reference to said network device in said modified link.

29. (previously presented) One or more processor readable storage devices according to claim 28, wherein said link does not include a reference to said network device.

30. (previously presented) One or more processor readable storage devices according to claim 29, wherein said link includes an address for a third electronic content in said network and said modified version of said link includes an address for said third electronic content in said network.

31. (previously presented) One or more processor readable storage devices according to claim 22, further including the steps of:

- (h) identifying additional links within said first electronic content; and
- (i) wrapping said additional links to obtain wrapped versions of said additional links.

32. (previously presented) One or more processor readable storage devices according to claim 31, wherein said modified version of said first electronic content contains said wrapped versions of said additional links.

33. (previously presented) One or more processor readable storage devices according to claim 22, wherein said request includes an address for said first electronic content, wherein said method further includes the steps of:

- (h) verifying said address is fully qualified.

34. (previously presented) One or more processor readable storage devices according to claim 22, further including the step of:

- (h) inserting a second link into said modified version of said first electronic content, wherein said second link addresses a fourth electronic content not addressed by any link in said first electronic content.

35. (currently amended) A system, comprising:

one or more communication interfaces;

one or more storage devices; and

one or more processors in communication with said one or more storage devices and said one or more communication interfaces, said one or more processors performs a method ~~[[for]]~~ of providing information from a network including a network device to a client device outside of the network via a reverse proxy server associated with the network, said method comprising the steps of:

(a) receiving a request from the client device at the reverse proxy server for a first electronic content from said network;

(b) retrieving, by the reverse proxy server, said first electronic content from said network;

(c) identifying, by the reverse proxy server, a link within said first electronic content;

(d) determining, by the reverse proxy server, whether said link identified in said step (c) is resolvable by an external Internet domain name system or alternatively by a domain name system internal to said network;

(e) wrapping, by the reverse proxy server, said link to obtain a wrapped version of said link that identifies a resolvable address on the network in the event it is determined in said step (d) that said link is resolvable by the domain name system internal to said network, and not wrapping said link in the event it is determined in said step (d) that said link is resolvable by the external Internet domain name system, wherein said wrapped version provides remote access to respective content within the network that is otherwise unattainable by the client device outside the network;

(f) delivering a modified version of said first electronic content to the client device wherein said modified version of said first electronic content includes said wrapped version of said link; and

(g) delivering an original version of said first electronic content to said client device if said link is not wrapped in said step (e), wherein said original version of ~~is~~ said first electronic content that is unmodified.

36. (previously presented) The system of claim 35, wherein said link includes:

an external address portion identifying said network device, wherein said external address portion can be resolved outside said network; and

an internal address portion identifying a second electronic content within said network wherein said internal address portion cannot be resolved outside said network and can be resolved in said network.

37. (canceled)
38. (previously presented) The system of claim 35, wherein said link does not include a reference to said network device and said step (c) includes the step of:
- (1) inserting a reference to said network device in said modified link.
39. (previously presented) The system of claim 35, wherein said link includes an address for a third electronic content in said network and said modified version of said link includes an address for said third electronic content in said network.
40. (previously presented) The system of claim 35, further including the steps of:
- (h) identifying additional links within said first electronic content; and
 - (i) wrapping said additional links to obtain wrapped versions of said additional links.
41. (previously presented) The system of claim 40, wherein said modified version of said first electronic content contains said wrapped versions of said additional links.
42. (previously presented) The system of claim 35, wherein said request includes an address for said first electronic content, wherein said method further includes the steps of:
- (h) verifying said address is fully qualified.
43. (previously presented) The system of claim 35, further including the step of:
- (h) inserting a second link into said modified version of said first electronic content, wherein said second link addresses a fourth electronic content not addressed by any link in said first electronic content.

44. (currently amended) A method of providing information from a network including a network device to a first client outside of the network via a reverse proxy server, said method comprising the steps of:

- (a) receiving a request from a second client device for a first electronic content to be sent from said network to the first client device;
- (b) retrieving, by the reverse proxy server, said first electronic content from said network;
- (c) identifying, by the reverse proxy server, a link within said first electronic content;
- (d) determining, by the reverse proxy server, whether said link identified in said step (c) is resolvable by an external Internet domain name system or alternatively by a domain name system internal to said network;
- (e) wrapping, by the reverse proxy server, said link to obtain a wrapped version of said link that identifies a resolvable address on the network in the event it is determined in said step (d) that said link is resolvable by the domain name system internal to said network, and not wrapping said link in the event it is determined in said step (d) that said link is resolvable by the external Internet domain name system, wherein said wrapped version provides remote access to respective content within the network that is otherwise unattainable by the client device outside the network; and
- (f) delivering a modified version of said first electronic content to the client device if said link is wrapped in said step (e), wherein said modified version of said first electronic content includes said wrapped version of said link; and
- (g) delivering an original version of said first electronic content to said client device if said link is not wrapped in said step (e), wherein said original version of is said first electronic content that is unmodified.

45. (previously presented) The method of claim 44, wherein said second client device is outside of the network.

46. (canceled)

47. (previously presented) The method of claim 44, wherein said second client device is inside of the network.

48. (currently amended) A method of providing information from a network including a network device to a client device outside of the network via a server associated with the network, said method comprising the steps of:

(a) receiving a request from the client device at the server for a first electronic content from said network;

(b) retrieving, by the server, said first electronic content from said network;

(c) identifying, by the server, a link within said first electronic content, wherein said link includes an external address portion identifying said server which is resolvable outside the network and an internal address portion identifying a second electronic content within said network which is resolvable by the server but not resolvable outside the network;

(d) determining, by the server, whether said link identified in said step (c) is resolvable by an external Internet domain name system or alternatively by a domain name system internal to said network;

(e) wrapping, by the server, said link to obtain a wrapped version of said link that identifies a resolvable address on the network in the event it is determined in said step (d) that said link is resolvable by the domain name system internal to said network, and not wrapping said link in the event it is determined in said step (d) that said link is resolvable by the external Internet domain name system, wherein said wrapped version provides remote access to respective content within the network that is otherwise unattainable by the client device outside the network;

(f) delivering a modified version of said first electronic content to the client device, wherein said modified version of said first electronic content includes said wrapped version of said link; and

(g) delivering an original version of said first electronic content to said client device if said link is not wrapped in said step (c), wherein said original version of is said first electronic content that is unmodified.